

Name _____ Period _____

Skill 20.01 Problem 1

Draw Lewis structures for the following molecules:
(a) O_3
(b) SO_2
(c) CO_3^{2-}
(d) ClO_4^-
(e) Which of the above molecules undergo “resonance”? How do you know?

Skill 20.02 Problem 1

Beryllium can only form two bonds. Explain why using principles of electron structure.
--

Name _____ Period _____

Draw the Lewis structure for BeF_2 .

Skill 20.02 Problem 2

Sulfur can form up to 6 bonds. Explain why using principles of electron structure.

Draw the Lewis structure for SF₆.

Name _____ Period _____

Skill 20.02 Problem 3

Draw the following Lewis structures:	
PCl ₅	XeF ₄
ICl ₄ ⁻	I ₃ ⁻